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OM protein - protein search, using sw model

Run on: March 15, 2004, 07:37:14 ; Search time 33 Seconds

(without alignments)
735.837 Million cell updates/sec

Title: US-09-620-955B-2

Perfect score: 115
Sequence: 1 QVQLQESGGGLVPGGSLRL.....CAEDRYFDIMRGTLVTVSS 115

Scoring table: OUTGO

Gapop 60.0 , Gapext 60.0

Searched: 809742 seqs, 21153259 residues

Word size : 0

Total number of hits satisfying chosen parameters: 340717

Minimum DB seq length: 0

Maximum DB seq length: 115

Post-processing: Listing first 100 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubppaa/PTCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB.pep:*
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17: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	65	56.5	115	US-10-305-347A-7
2	63	54.8	98	US-10-194-975-24
3	63	54.8	98	US-10-308-817-64
4	63	54.8	98	US-10-032-037B-74
5	63	54.8	98	US-10-032-037B-75
6	63	54.8	98	US-10-032-037B-76
7	63	54.8	98	US-10-029-988B-74
8	63	54.8	98	US-10-029-988B-75
9	63	54.8	98	US-10-029-988B-76
10	63	54.8	98	US-10-032-423A-74
11	63	54.8	98	US-10-032-423A-75
12	63	54.8	98	US-10-032-423A-76
13	62	53.9	98	US-10-194-975-23
14	62	53.9	98	US-10-194-975-25
15	62	53.9	98	US-10-308-817-63

16	62	53.9	98	US-10-308-817-65	Sequence 65, App1
17	62	53.9	98	US-10-032-037B-80	Sequence 80, App1
18	62	53.9	98	US-10-029-988B-80	Sequence 80, App1
19	62	53.9	98	US-10-032-423A-80	Sequence 80, App1
20	62	53.9	133	US-09-791-153A-63	Sequence 63, App1
21	61	53.0	83	US-10-078-95B-7	Sequence 7, App1
22	46	40.0	98	US-10-194-975-26	Sequence 26, App1
23	46	40.0	98	US-10-041-860-4	Sequence 4, App1
24	46	40.0	98	US-10-041-860-283	Sequence 283, App
25	46	40.0	98	US-10-041-860-284	Sequence 284, App
26	46	40.0	98	US-10-041-860-307	Sequence 307, App
27	46	40.0	98	US-10-041-860-308	Sequence 308, App
28	46	40.0	98	US-10-041-860-310	Sequence 310, App
29	46	40.0	98	US-10-032-037B-81	Sequence 81, App1
30	46	40.0	98	US-10-032-037B-81	Sequence 81, App1
31	46	40.0	98	US-10-029-988B-81	Sequence 81, App1
32	46	40.0	98	US-10-032-423A-81	Sequence 81, App1
33	46	40.0	109	US-10-309-764-1	Sequence 1, App1
34	45	39.1	102	US-09-972-656-126	Sequence 126, App
35	41	35.7	98	US-09-864-761-4343	Sequence 4343, A
36	41	35.7	98	US-10-041-860-332	Sequence 332, App
37	40	34.8	97	US-10-194-975-29	Sequence 29, App1
38	40	34.8	97	US-10-194-975-31	Sequence 31, App1
39	40	34.8	97	US-10-041-860-5	Sequence 5, App1
40	40	34.8	97	US-10-041-860-277	Sequence 277, App
41	40	34.8	97	US-10-308-817-70	Sequence 70, App1
42	40	34.8	97	US-10-308-817-72	Sequence 72, App1
43	40	34.8	97	US-10-032-037B-68	Sequence 68, App1
44	40	34.8	97	US-10-032-037B-69	Sequence 69, App1
45	40	34.8	97	US-10-029-988B-68	Sequence 68, App1
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47	40	34.8	97	US-10-032-423A-68	Sequence 68, App1
48	40	34.8	97	US-10-032-423A-69	Sequence 69, App1
49	40	34.8	102	US-09-972-656-123	Sequence 123, App
50	40	34.8	102	US-09-972-656-127	Sequence 127, App
51	51	34.8	113	US-09-056-160B-11	Sequence 11, App1
52	40	34.8	113	US-09-795-679-6	Sequence 6, App1
53	40	34.8	113	US-10-234-671-11	Sequence 11, App1
54	39	33.9	96	US-10-041-860-218	Sequence 218, App
55	39	33.9	98	US-09-822-698A-18	Sequence 18, App1
56	39	33.9	98	US-10-194-975-22	Sequence 22, App1
57	39	33.9	98	US-10-125-667-19	Sequence 19, App1
58	39	33.9	98	US-10-010-942B-10	Sequence 10, App1
59	39	33.9	98	US-10-308-817-62	Sequence 62, App1
60	39	33.9	98	US-10-032-037B-77	Sequence 77, App1
61	39	33.9	98	US-10-029-988B-77	Sequence 77, App1
62	39	33.9	98	US-10-032-423A-77	Sequence 77, App1
63	39	33.9	109	US-10-309-764-17	Sequence 17, App1
64	39	33.9	112	US-10-010-729-15	Sequence 15, App1
65	38	33.0	108	US-10-026-925-24	Sequence 24, App1
66	36	31.3	113	US-10-309-764-2	Sequence 2, App1
67	35	30.4	98	US-10-194-975-10	Sequence 10, App1
68	32	27.8	32	US-09-855-271-21	Sequence 21, App1
69	32	27.8	32	US-09-949-559-123	Sequence 123, App
70	32	27.8	32	US-09-875-221A-123	Sequence 123, App
71	32	27.8	32	US-09-563-222A-152	Sequence 152, App
72	31	27.0	32	US-09-736-371B-24	Sequence 24, App1
73	31	27.0	32	US-10-463-442-24	Sequence 24, App1
74	29	25.2	30	US-10-045-674-91	Sequence 91, App1
75	29	25.2	98	US-10-194-975-28	Sequence 28, App1
76	29	25.2	98	US-10-308-817-68	Sequence 68, App1
77	29	25.2	98	US-10-308-817-68	Sequence 82, App1
78	29	25.2	98	US-10-032-037B-82	Sequence 82, App1
79	29	25.2	98	US-10-029-988B-82	Sequence 82, App1
80	29	25.2	114	US-10-032-423A-82	Sequence 82, App1
81	29	25.2	114	US-10-309-764-145	Sequence 145, App
82	27	23.5	97	US-10-026-925-53	Sequence 53, App1
83	27	23.5	97	US-10-194-975-18	Sequence 18, App1
84	27	23.5	97	US-10-308-817-58	Sequence 58, App1
85	27	23.5	97	US-10-032-037B-78	Sequence 78, App1
86	27	23.5	97	US-10-029-988B-78	Sequence 78, App1
87	27	23.5	97	US-10-032-423A-78	Sequence 78, App1
88	27	23.5	98	US-10-066-895-4	Sequence 4, App1
	27	23.5	98	US-10-194-975-15	Sequence 15, App1

89	27	23.5	98	14	US-10-194-975-33	Sequence 33, Appl
90	27	23.5	98	15	US-10-308-817-55	Sequence 55, Appl
91	27	23.5	98	15	US-10-308-817-71	Sequence 71, Appl
92	27	23.5	98	15	US-10-308-817-75	Sequence 75, Appl
93	27	23.5	98	15	US-10-032-037B-79	Sequence 79, Appl
94	27	23.5	98	15	US-10-032-037B-84	Sequence 84, Appl
95	27	23.5	98	15	US-10-032-037B-85	Sequence 85, Appl
96	27	23.5	98	15	US-10-029-988B-79	Sequence 79, Appl
97	27	23.5	98	15	US-10-029-988B-84	Sequence 84, Appl
98	27	23.5	98	15	US-10-029-988B-85	Sequence 85, Appl
99	27	23.5	98	15	US-10-032-423A-79	Sequence 79, Appl
100	27	23.5	98	15	US-10-032-423A-84	Sequence 84, Appl

ALIGNMENTS

RESULT 1
US-10-305-347A-7
; Sequence 7, Application US/10305347A
; Publication No. US20030143603A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo-Komar, J111
; APPLICANT: Berle Scalton
; TITLE OF INVENTION: ANTI-TNF ANTIBODIES, COMPOSITIONS, METHODS AND USES
; FILE REFERENCE: CENS005
; CURRENT APPLICATION NUMBER: US/10/305,347A
; CURRENT FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver 3.0
; SEQ ID NO 7
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-305-347A-7

Query Match 56.5%; Score 65; DB 14; Length 115;
Best Local Similarity 100.0%; Pred. No. 3, 9e-52;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Db	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Qy	96	CARDR 100	
Db	96	CARDR 100	

RESULT 2
US-10-194-975-24
; Sequence 24, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-194-975-24

Query Match 54.8%; Score 63; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 2, 4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Db	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Qy	96	CAR 98	
Db	96	CAR 98	

RESULT 3
US-10-308-817-64
; Sequence 64, Application US/10308817
; Publication No. US20030219861A1
; GENERAL INFORMATION:
; APPLICANT: Roche, Russell
; APPLICANT: Wu, Dayang
; TITLE OF INVENTION: HYBRID ANTIBODIES
; FILE REFERENCE: 1087-37
; CURRENT APPLICATION NUMBER: US/10/308,817
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 98
; TYPE: PRT
; ORGANISM: human
US-10-308-817-64

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2, 4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Db	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Qy	96	CAR 98	
Db	96	CAR 98	

RESULT 4
US-10-032-037B-74
; Sequence 74, Application US/10032037B
; Publication No. US2004001822A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/44
; CURRENT APPLICATION NUMBER: US/10/032,037B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-037B-74

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2, 4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Db	36	WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY	95
Qy	96	CAR 98	
Db	96	CAR 98	

RESULT 5
US-10-032-037B-75
; Sequence 75, Application US/10032037B
; Publication No. US20040001822A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/44
; CURRENT FILING DATE: 2001-12-31
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 75
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-037B-75

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95
DB 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 6
US-10-032-037B-76
; Sequence 76, Application US/10032037B
; Publication No. US20040001822A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/44
; CURRENT FILING DATE: 2001-12-31
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 76
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-037B-76

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95
DB 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 7
US-10-029-988B-74
; Sequence 74, Application US/10029988B

; Publication No. US20040001839A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/46
; CURRENT FILING DATE: 2001-12-31
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-74

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95
DB 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 8
US-10-029-988B-75
; Sequence 75, Application US/10029988B
; Publication No. US20040001839A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/46
; CURRENT FILING DATE: 2001-12-31
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 75
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-75

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95
DB 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRADETAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 9
US-10-029-988B-76
; Sequence 76, Application US/10029988B
; Publication No. US20040001839A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/46
; CURRENT FILING DATE: 2001-12-31
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 76
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-76

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FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/029,988B
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 76
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-029-988B-76

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95
DB 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 10
US-10-032-423A-74
Sequence 74, Application US/10032423A
Publication No. US20040002450A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/032,423A
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 12/29/2000
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 74
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-423A-74

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95
DB 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 11
US-10-032-423A-75
Sequence 75, Application US/10032423A
Publication No. US20040002450A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/032,423A
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 12/29/2000
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NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 75
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-423A-75

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95
DB 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 12
US-10-032-423A-76
Sequence 76, Application US/10032423A
Publication No. US20040002450A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/032,423A
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 12/29/2000
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 76
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-423A-76

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95
DB 36 WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADPTAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 13
US-10-194-975-23
Sequence 23, Application US/10194975
Publication No. US20030039649A1
GENERAL INFORMATION:
APPLICANT: Foote, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 23
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
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US-10-194-975-23

Query Match 53.9%; Score 62; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

DB 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

CY 96 CA 97

DB 96 CA 97

RESULT 14
US-10-194-975-25
; Sequence 25, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-194-975-25

Query Match 53.9%; Score 62; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

DB 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

CY 96 CA 97

DB 96 CA 97

RESULT 15
US-10-308-817-63
; Sequence 63, Application US/10308817
; Publication No. US20030219861A1
; GENERAL INFORMATION:
; APPLICANT: Rother, Russell
; APPLICANT: Mu, Dayang
; TITLE OF INVENTION: HYBRID ANTIBODIES
; FILE REFERENCE: 1087-37
; CURRENT APPLICATION NUMBER: US/10/308,817
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 63
; LENGTH: 98
; TYPE: PRT
; ORGANISM: human
US-10-308-817-63

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

DB 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

CY 96 CA 97

DB 96 CA 97

DB 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

DB 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

CY 96 CA 97

DB 96 CA 97

RESULT 16
US-10-308-817-65
; Sequence 65, Application US/10308817
; Publication No. US20030219861A1
; GENERAL INFORMATION:
; APPLICANT: Rother, Russell
; APPLICANT: Mu, Dayang
; TITLE OF INVENTION: HYBRID ANTIBODIES
; FILE REFERENCE: 1087-37
; CURRENT APPLICATION NUMBER: US/10/308,817
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 98
; TYPE: PRT
; ORGANISM: human
US-10-308-817-65

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

DB 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

CY 96 CA 97

DB 96 CA 97

RESULT 17
US-10-032-037B-80
; Sequence 80, Application US/10032037B
; Publication No. US20040001822A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/44
; CURRENT APPLICATION NUMBER: US/10/032,037B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 80
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-037B-80

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

DB 36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYIQMNSLRPAEDTAVYY 95

CY 96 CA 97

DB 96 CA 97

RESULT 18
US-10-029-988B-80
; Sequence 80, Application US/10029988B
; Publication No. US20040001839A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
; TITLE OF INVENTION: MOIETIES, ANTIBODIES TO SUCH EPITOPES, AND USES THEREOF
; FILE REFERENCE: 10793/46
; CURRENT APPLICATION NUMBER: US/10/029, 988B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258, 948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 80
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-80

Query Match
Best Local Similarity 100.0%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAAYY 95
DB 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAAYY 95

QY 96 CA 97
DB 96 CA 97

RESULT 19
US-10-032-423A-80
; Sequence 80, Application US/10032423A
; Publication No. US20040002450A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
; TITLE OF INVENTION: MOIETIES, ANTIBODIES TO SUCH EPITOPES, AND USES THEREOF
; FILE REFERENCE: 10793/45
; CURRENT APPLICATION NUMBER: US/10/032, 423A
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258, 948
; PRIOR FILING DATE: 12/29/2000
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 80
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-423A-80

Query Match
Best Local Similarity 100.0%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAAYY 95
DB 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAAYY 95

QY 96 CA 97
DB 96 CA 97

RESULT 20
US-09-791-153A-63
; Sequence 63, Application US/09791153A
; Publication No. US20030103978A1
; GENERAL INFORMATION:

APPLICANT: Deshpande, Rajendra
APPLICANT: Hitez, Anna
APPLICANT: Boyle, William
APPLICANT: Sullivan, John
; TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
; FILE REFERENCE: A-633A
; CURRENT APPLICATION NUMBER: US/09/791, 153A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/511, 139
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 63
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-153A-63

Query Match
Best Local Similarity 100.0%; Score 62; DB 10; Length 113;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAAYY 95

QY 96 CA 97
DB 96 CA 97

RESULT 21
US-10-078-958-7
; Sequence 7, Application US/10078958
; Publication No. US20030070185A1
; GENERAL INFORMATION:
; APPLICANT: JAKOBOVITS, AYA
; APPLICANT: KUCHERLAPATTI, RAJU
; APPLICANT: KLAPHOLZ, SUSAN
; APPLICANT: MENDEZ, MICHAEL J.
; APPLICANT: GREEN, LARRY
; TITLE OF INVENTION: TRANSGENIC MAMMALS HAVING HUMAN Ig LOCI INCLUDING
; TITLE OF INVENTION: PLURAL Vb AND Vx REGIONS AND ANTIBODIES PRODUCED
; TITLE OF INVENTION: THEREFROM
; FILE REFERENCE: CELL 4.18 CON
; CURRENT APPLICATION NUMBER: US/10/078, 958
; CURRENT FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 08/759, 620
; PRIOR FILING DATE: 1996-12-03
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (12)
; OTHER INFORMATION: Variable amino acid
US-10-078-958-7

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Best Local Similarity 100.0%; Pred. No. 1.4e-48;
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DB 23 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAAYYCA 82

QY 98 R 98
DB 83 R 83

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RESULT 22
US-10-194-975-26
; Sequence 26, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-194-975-26

Query Match
Best Local Similarity 100.0%; Score 46; DB 14; Length 98;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAIVYYCAR 98
DB 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAIVYYCAR 98

RESULT 23
US-10-041-860-4
; Sequence 4, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
; APPLICANT: Corvalan, Jose R.F.
; APPLICANT: Jia, Xiao-Chi
; APPLICANT: Feng, Xiao
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Chen, Francine
; APPLICANT: Gazit, Gad
; APPLICANT: Weber, Richard
; APPLICANT: Bezabeh, Binyam
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFR AND USES
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE: 2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-041-860-4

Query Match
Best Local Similarity 100.0%; Score 46; DB 14; Length 98;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAIVYYCAR 98
DB 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAIVYYCAR 98

RESULT 24
US-10-041-860-283
; Sequence 283, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
; APPLICANT: Corvalan, Jose R.F.
; APPLICANT: Jia, Xiao-Chi
; APPLICANT: Feng, Xiao

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; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Chen, Francine
; APPLICANT: Gazit, Gad
; APPLICANT: Weber, Richard
; APPLICANT: Bezabeh, Binyam
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFR AND USES
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE: 2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 283
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-041-860-283

Query Match
Best Local Similarity 100.0%; Score 46; DB 14; Length 98;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAIVYYCAR 98
DB 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAIVYYCAR 98

RESULT 25
US-10-041-860-284
; Sequence 284, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
; APPLICANT: Corvalan, Jose R.F.
; APPLICANT: Jia, Xiao-Chi
; APPLICANT: Feng, Xiao
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Chen, Francine
; APPLICANT: Gazit, Gad
; APPLICANT: Weber, Richard
; APPLICANT: Bezabeh, Binyam
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFR AND USES
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE: 2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-041-860-284

Query Match
Best Local Similarity 100.0%; Score 46; DB 14; Length 98;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQWNSLRADTAIVYYCAR 98

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CM protein - protein search, using sw model

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Title: US-09-620-955B-4

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- 11: /cgn2_6/ptodata/1/pubppa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubppa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	28	25.7	90	14	US-10-125-687-27
2	28	25.7	99	15	US-10-308-817-99
3	28	25.7	99	15	US-10-308-817-101
4	26	23.9	104	14	US-10-127-890-153
5	26	23.9	104	15	US-10-340-189-17
6	26	23.9	104	15	US-10-325-696-17
7	26	23.9	104	15	US-10-325-696-17
8	22	20.2	103	14	US-10-325-696-17
9	22	20.2	103	14	US-10-325-696-17
10	21	19.3	50	9	US-09-863-693-14
11	21	19.3	50	9	US-09-863-693-15
12	21	19.3	50	9	US-09-863-693-16
13	21	19.3	50	9	US-09-863-693-17
14	21	19.3	50	9	US-09-863-693-18
15	21	19.3	50	9	US-09-863-693-19
					US-09-863-693-20

16	19.3	50	9	US-09-863-693-21	Sequence 21, Appl
17	19.3	50	9	US-09-863-693-22	Sequence 22, Appl
18	19.3	50	11	US-09-373-403-14	Sequence 14, Appl
19	19.3	50	11	US-09-373-403-15	Sequence 15, Appl
20	19.3	50	11	US-09-373-403-16	Sequence 16, Appl
21	19.3	50	11	US-09-373-403-17	Sequence 17, Appl
22	19.3	50	11	US-09-373-403-18	Sequence 18, Appl
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24	19.3	50	11	US-09-373-403-20	Sequence 20, Appl
25	19.3	50	11	US-09-373-403-21	Sequence 21, Appl
26	19.3	50	11	US-09-373-403-22	Sequence 22, Appl
27	19.3	50	11	US-10-143-437-14	Sequence 14, Appl
28	19.3	50	14	US-10-143-437-15	Sequence 15, Appl
29	19.3	50	14	US-10-143-437-16	Sequence 16, Appl
30	19.3	50	14	US-10-143-437-17	Sequence 17, Appl
31	19.3	50	14	US-10-143-437-18	Sequence 18, Appl
32	19.3	50	14	US-10-143-437-19	Sequence 19, Appl
33	19.3	50	14	US-10-143-437-20	Sequence 20, Appl
34	19.3	50	14	US-10-143-437-21	Sequence 21, Appl
35	19.3	50	14	US-10-143-437-22	Sequence 22, Appl
36	19.3	82	9	US-09-925-298-147	Sequence 1047, Ap
37	19.3	92	10	US-09-925-298-1047	Sequence 1047, Ap
38	19.3	97	9	US-09-864-761-39459	Sequence 39459, A
39	18.3	99	15	US-10-308-817-100	Sequence 100, Appl
40	18.3	107	10	US-09-913-238-67	Sequence 67, Appl
41	17.4	32	10	US-09-563-222-96	Sequence 96, Appl
42	17.4	99	15	US-10-308-817-98	Sequence 98, Appl
43	17.4	103	10	US-09-913-238-3	Sequence 3, Appl
44	17.4	104	10	US-09-846-798-59	Sequence 69, Appl
45	15.6	108	10	US-09-846-798-58	Sequence 68, Appl
46	15.6	99	15	US-10-308-817-97	Sequence 97, Appl
47	15.6	82	14	US-10-105-545-32	Sequence 32, Appl
48	15.6	97	15	US-10-264-049-4296	Sequence 4296, Ap
49	15.6	99	15	US-10-308-817-93	Sequence 93, Appl
50	15.6	103	15	US-10-340-189-3	Sequence 3, Appl
51	15.6	103	15	US-10-340-189-3	Sequence 3, Appl
52	15.6	104	10	US-09-846-798-49	Sequence 49, Appl
53	15.6	107	10	US-09-913-238-68	Sequence 68, Appl
54	15.6	75	14	US-10-107-958-25	Sequence 25, Appl
55	15.6	76	9	US-09-187-693-36	Sequence 36, Appl
56	15.6	76	14	US-10-078-958-10	Sequence 10, Appl
57	15.6	88	9	US-09-905-243-31	Sequence 31, Appl
58	15.6	90	9	US-09-864-761-34739	Sequence 34739, A
59	15.6	95	9	US-09-158-120A-19	Sequence 19, Appl
60	15.6	95	9	US-09-158-120A-19	Sequence 19, Appl
61	15.6	95	14	US-10-194-975-56	Sequence 56, Appl
62	15.6	95	14	US-10-194-975-57	Sequence 57, Appl
63	15.6	95	14	US-10-194-975-53	Sequence 53, Appl
64	15.6	95	14	US-10-194-975-54	Sequence 54, Appl
65	15.6	95	14	US-10-194-975-55	Sequence 55, Appl
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68	15.6	95	15	US-10-308-817-10	Sequence 10, Appl
69	15.6	95	15	US-10-308-817-11	Sequence 11, Appl
70	15.6	95	15	US-10-308-817-19	Sequence 19, Appl
71	15.6	96	14	US-10-127-890-158	Sequence 158, Appl
72	15.6	96	15	US-10-340-189-22	Sequence 22, Appl
73	15.6	96	15	US-10-325-686-22	Sequence 22, Appl
74	15.6	104	14	US-10-078-958-28	Sequence 28, Appl
75	15.6	105	9	US-09-187-693-44	Sequence 44, Appl
76	15.6	105	9	US-09-187-693-54	Sequence 54, Appl
77	15.6	106	9	US-09-796-848A-1	Sequence 1, Appl
78	15.6	106	9	US-09-796-848A-3	Sequence 3, Appl
79	15.6	106	9	US-09-796-848A-35	Sequence 35, Appl
80	15.6	106	9	US-09-771-415-1	Sequence 1, Appl
81	15.6	106	9	US-09-771-415-17	Sequence 17, Appl
82	15.6	106	9	US-09-771-415-19	Sequence 19, Appl
83	15.6	106	9	US-09-771-415-21	Sequence 21, Appl
84	15.6	106	9	US-09-771-415-23	Sequence 23, Appl
85	15.6	106	9	US-09-771-415-25	Sequence 25, Appl
86	15.6	106	9	US-09-996-288-8	Sequence 8, Appl
87	15.6	106	9	US-09-996-288-11	Sequence 11, Appl
88	15.6	106	9	US-09-996-288-13	Sequence 13, Appl

89 11 10.1 106 9 US-09-996-288-21 Sequence 21, Appl
90 11 10.1 106 9 US-09-996-288-26 Sequence 26, Appl
91 11 10.1 106 9 US-09-996-288-30 Sequence 30, Appl
92 11 10.1 106 9 US-09-996-288-34 Sequence 34, Appl
93 11 10.1 106 9 US-09-996-288-38 Sequence 38, Appl
94 11 10.1 106 9 US-09-996-288-42 Sequence 42, Appl
95 11 10.1 106 9 US-09-996-288-46 Sequence 46, Appl
96 11 10.1 106 9 US-09-996-288-50 Sequence 50, Appl
97 11 10.1 106 9 US-09-996-288-52 Sequence 52, Appl
98 11 10.1 106 9 US-09-996-288-54 Sequence 54, Appl
99 11 10.1 106 9 US-09-996-288-56 Sequence 56, Appl
100 11 10.1 106 9 US-09-996-288-57 Sequence 57, Appl

ALIGNMENTS

RESULT 1
US-10-125-687-27
Sequence 27, Application US/10125687
Publication No. US20030054407A1
GENERAL INFORMATION:
APPLICANT: LUC, Peter
TITLE OF INVENTION: STRUCTURE-BASED CONSTRUCTION OF HUMAN ANTIBODY LIBRARY
FILE REFERENCE: 26050-705
CURRENT APPLICATION NUMBER: US/10/125,687
CURRENT FILING DATE: 2002-04-17
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.1
SEQ ID NO 27
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-10-125-687-27

Query Match 25.7%; Score 28; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 2,4e-19;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 OSALTQPASVSGSPGQSITISCTGTSSD 28
Db 1 OSALTQPASVSGSPGQSITISCTGTSSD 28

RESULT 2
US-10-308-817-99
Sequence 99, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 99
LENGTH: 99
TYPE: PRT
ORGANISM: human
US-10-308-817-99

Query Match 25.7%; Score 28; DB 15; Length 99;
Best Local Similarity 100.0%; Pred. No. 2,4e-19;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 OSALTQPASVSGSPGQSITISCTGTSSD 28
Db 1 OSALTQPASVSGSPGQSITISCTGTSSD 28

RESULT 3

US-10-308-817-101
Sequence 101, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 101
LENGTH: 99
TYPE: PRT
ORGANISM: human
US-10-308-817-101

Query Match 25.7%; Score 28; DB 15; Length 99;
Best Local Similarity 100.0%; Pred. No. 2,4e-19;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 OSALTQPASVSGSPGQSITISCTGTSSD 28
Db 1 OSALTQPASVSGSPGQSITISCTGTSSD 28

RESULT 4
US-10-127-890-153
Sequence 153, Application US/10127890
Publication No. US20030166196A1
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
Carroll, Stephen F.
Studzinska, Gary M.
TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
Proteins
NUMBER OF SEQUENCES: 173
CORRESPONDENCE ADDRESSES:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/127,890
FILING DATE: 23-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/646,360
FILING DATE: 13-MAY-1996
APPLICATION NUMBER: PCT/US94/05348
FILING DATE: 12-MAY-1994
APPLICATION NUMBER: US 08/064,691
FILING DATE: 12-MAY-1993
APPLICATION NUMBER: US 07/988,430
FILING DATE: 09-DEC-1992
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 200-70.p4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889

TELEFAX: 312/707-9155
TELEX: 650 388-1248
INFORMATION FOR SEQ ID NO: 153:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 153:
US-10-127-890-153

Query Match 23.9%: Score 26; DB 14; Length 104;
Best Local Similarity 100.0%; Pred. No. 2.1e-17;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SALTOPASVSGSPGQSIITICTGTSS 27
DB 2 SALTOPASVSGSPGQSIITICTGTSS 27

RESULT 5
US-10-340-189-17
Sequence 17, Application US/10340189
Publication No. US20030229207A1
GENERAL INFORMATION:
APPLICANT: Studnicka, Gary M.
TITLE OF INVENTION: Modified Antibody Variable Domains
NUMBER OF SEQUENCES: 89
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 W. Madison Street, 34th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/340,189
FILING DATE: 10-Jan-2003
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/245,202A
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/082,842
FILING DATE: 23-JUN-1993
APPLICATION NUMBER: PCT/US92/10906
FILING DATE: 14-DEC-1992
APPLICATION NUMBER: US 07/808,464
FILING DATE: 13-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 11023US07 / 200-71.P2.C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-340-189-17
Query Match 23.9%: Score 26; DB 15; Length 104;
Best Local Similarity 100.0%; Pred. No. 2.1e-17;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SALTOPASVSGSPGQSIITICTGTSS 27
DB 2 SALTOPASVSGSPGQSIITICTGTSS 27

RESULT 6
US-10-325-696-17
Sequence 17, Application US/10325696
Publication No. US20040005630A1
GENERAL INFORMATION:
APPLICANT: Studnicka, Gary M.
TITLE OF INVENTION: Modified Antibody Variable Domains
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th Floor
CITY: Chicago
STATE: IL
COUNTRY: United States of America
ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,696
FILING DATE: 18-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/097,980
FILING DATE: 16-JUN-1998
APPLICATION NUMBER: 08/107,669
FILING DATE: 13-AUG-1993
APPLICATION NUMBER: PCT/US92/10906
FILING DATE: 14-DEC-1992
APPLICATION NUMBER: US 07/808,464
FILING DATE: 13-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Janet M. McNicholas, Ph.D.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 11023US06/200-71.P1.C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9050
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-325-696-17
Query Match 23.9%: Score 26; DB 15; Length 104;
Best Local Similarity 100.0%; Pred. No. 2.1e-17;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 7
US-10-026-325-98
Sequence 98, Application US/10026325
Publication No. US20030119056A1
GENERAL INFORMATION:
APPLICANT: LADNER, ROBERT C.
TITLE OF INVENTION: FOCUSED LIBRARIES OF GENETIC PACKAGES
FILE REFERENCE: DYAX/004

;; CURRENT APPLICATION NUMBER: US/10/026,925
;; CURRENT FILING DATE: 2002-03-28
;; NUMBER OF SEQ ID NOS: 99
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 98
;; LENGTH: 103
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: 2a2: JH2 Human
;; OTHER INFORMATION: lambda-chain gene with stuffers in place of CDRs
US-10-026-925-98

Query Match
Best Local Similarity 21.1%; Score 23; DB 14; Length 103;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QSALTQPAVSGSPGQSITISCT 23
Db 3 QSALTQPAVSGSPGQSITISCT 25

RESULT 8
US-09-563-222-94
; Sequence 94, Application US/09563222
; Publication No. US20030079253A1
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; APPLICANT: Hehn, Mich B.
; TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEIN ARRAYS IN
; FILE REFERENCE: 310098.406
; CURRENT APPLICATION NUMBER: US/09/563,222
; CURRENT FILING DATE: 2000-05-02
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: Fastseq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-563-222-94

Query Match
Best Local Similarity 20.2%; Score 22; DB 10; Length 22;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QSALTQPAVSGSPGQSITISCT 22
Db 1 QSALTQPAVSGSPGQSITISCT 22

RESULT 9
US-09-863-693-14
; Sequence 14, Application US/09863693
; Patent No. US20020062010A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, R.
; APPLICANT: CARTER, P.J.
; APPLICANT: MERCHANT, A.M.
; APPLICANT: PRESTA, L.G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
; HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:

;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Winpatin (Genentech)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/863,693
;; FILING DATE: 23-May-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/070,166
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Conley, Delandre L.
;; REGISTRATION NUMBER: 36,487
;; REFERENCE/DOCKET NUMBER: P1099R1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 650/225-2066
;; TELEFAX: 650/952-9881
;; INFORMATION FOR SEQ ID NO: 14:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 50 amino acids
;; TYPE: Amino Acid
;; TOPOLOGY: Linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-863-693-14

Query Match
Best Local Similarity 19.3%; Score 21; DB 9; Length 50;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQEDADYCCSS 92
Db 12 TASLTISGLQEDADYCCSS 32

RESULT 10
US-09-863-693-15
; Sequence 15, Application US/09863693
; Patent No. US20020062010A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, R.
; APPLICANT: CARTER, P.J.
; APPLICANT: MERCHANT, A.M.
; APPLICANT: PRESTA, L.G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
; HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/863,693
;; FILING DATE: 23-May-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/070,166
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Conley, Delandre L.
;; REGISTRATION NUMBER: 36,487
;; REFERENCE/DOCKET NUMBER: P1099R1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 650/225-2066
;; TELEFAX: 650/952-9881
;; INFORMATION FOR SEQ ID NO: 15:
;; SEQUENCE CHARACTERISTICS:

LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-863-693-15

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 11
US-09-863-693-16

Sequence 16, Application US/09863693
Patent No. US20020062010A1
GENERAL INFORMATION:

APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.

TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1099R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-863-693-16

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 12
US-09-863-693-17
Sequence 17, Application US/09863693

Patent No. US20020062010A1
GENERAL INFORMATION:

APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.

TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1099R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-863-693-17

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 13
US-09-863-693-18

Sequence 18, Application US/09863693
Patent No. US20020062010A1
GENERAL INFORMATION:

APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.

TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-863-693-18

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

RESULT 14
US-09-863-693-19
Sequence 19, Application US/09863693
Patent No. US2002062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
US-09-863-693-19

SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-863-693-19

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

RESULT 15
US-09-863-693-20
Sequence 20, Application US/09863693
Patent No. US2002062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 20:
US-09-863-693-20

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

RESULT 16
US-09-863-693-21

Sequence 21, Application US/09863693
Patent No. US20020062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-863-693-21
Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
RESULT 17
US-09-863-693-22
Sequence 22, Application US/09863693
Patent No. US20020062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-863-693-22
Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
RESULT 18
US-09-373-403-14
Sequence 14, Application US/09373403
Publication No. US20030207346A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, W. R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
FILE REFERENCE: P1099C1 a
CURRENT APPLICATION NUMBER: US/09/373,403
CURRENT FILING DATE: 1999-08-12
PRIOR APPLICATION NUMBER: US 08/850,058
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 14
LENGTH: 50
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Recombinant
US-09-373-403-14
Query Match 19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
RESULT 19
US-09-373-403-15
Sequence 15, Application US/09373403
Publication No. US20030207346A1

```
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 15
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-15

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      72 TASLTISGLQAEDEADYCCSS 92
Db      12 TASLTISGLQAEDEADYCCSS 32
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RESULT 20
US-09-373-403-16
/ Sequence 16, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 16
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-16
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Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      72 TASLTISGLQAEDEADYCCSS 92
Db      12 TASLTISGLQAEDEADYCCSS 32
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RESULT 21
US-09-373-403-17
/ Sequence 17, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
```

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/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 17
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-17
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Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      72 TASLTISGLQAEDEADYCCSS 92
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Db      12 TASLTISGLQAEDEADYCCSS 32
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RESULT 22
US-09-373-403-18
/ Sequence 18, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 18
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-18
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Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      72 TASLTISGLQAEDEADYCCSS 92
Db      12 TASLTISGLQAEDEADYCCSS 32
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RESULT 23
US-09-373-403-19
/ Sequence 19, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
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; PRIOR APPLICATION NUMBER: US 08/850,058
; PRIOR FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 19
; LENGTH: 50
; TYPE: PR
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant
US-09-373-403-19

Query Match
Best Local Similarity 19.3%; Score 21; DB 11; Length 50;
Matches 21; Conservative 100.0%; Pred. No. 7.6e-13;
Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

RESULT 24
US-09-373-403-20
; Sequence 20, Application US/09373403
; Publication No. US20030207346A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, W. R.
; APPLICANT: CARTER, P. J.
; APPLICANT: MERCHANT, A. M.
; APPLICANT: PRESTA, L. G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
; TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
; FILE REFERENCE: P1099C1 a
; CURRENT FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: US 08/850,058
; PRIOR FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 20
; LENGTH: 50
; TYPE: PR
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant
; NAME/KEY: Unsure
; LOCATION: 9
; OTHER INFORMATION: Unknown amino acid
US-09-373-403-20

Query Match
Best Local Similarity 19.3%; Score 21; DB 11; Length 50;
Matches 21; Conservative 100.0%; Pred. No. 7.6e-13;
Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

RESULT 25
US-09-373-403-21
; Sequence 21, Application US/09373403
; Publication No. US20030207346A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, W. R.
; APPLICANT: CARTER, P. J.
; APPLICANT: MERCHANT, A. M.
; APPLICANT: PRESTA, L. G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
; TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
; FILE REFERENCE: P1099C1 a
; CURRENT FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: US 08/850,058
; PRIOR FILING DATE: 1997-05-02
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; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 21
; LENGTH: 50
; TYPE: PR
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant
US-09-373-403-21

Query Match
Best Local Similarity 19.3%; Score 21; DB 11; Length 50;
Matches 21; Conservative 100.0%; Pred. No. 7.6e-13;
Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

Search completed: March 15, 2004, 07:45:17
Job time : 35 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 07:26:28 ; Search time 406 Seconds

(without alignments)
124.300 Million cell updates/sec

Title: US-09-620-955b-6

Perfect score: 1250
Sequence: 1 QVQIQESGGGLVQPGGSLRL.....CSFANSGPLFGGTRVTVL 239

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09C_NEW_PUB.pep:*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1110	88.8	254	10 US-09-880-748-983	Sequence 983, App
2	1106	88.5	256	10 US-09-880-748-839	Sequence 839, App
3	1097	87.8	252	10 US-09-880-748-1627	Sequence 1627, App
4	1096	87.7	254	10 US-09-880-748-981	Sequence 981, App
5	1095.5	87.6	241	10 US-09-880-748-2055	Sequence 2055, App
6	1093	87.4	252	10 US-09-880-748-956	Sequence 956, App
7	1089.5	87.2	251	10 US-09-880-748-955	Sequence 955, App
8	1089.5	87.1	251	10 US-09-880-748-1117	Sequence 1117, App
9	1088.5	86.8	251	10 US-09-880-748-1114	Sequence 1114, App
10	1084.5	86.6	253	10 US-09-880-748-1003	Sequence 1003, App
11	1082.5	86.3	251	10 US-09-880-748-1332	Sequence 1332, App
12	1079	86.3	254	10 US-09-880-748-1701	Sequence 1701, App
13	1079	86.3	254	10 US-09-880-748-1759	Sequence 1759, App
14	1078	86.2	256	10 US-09-880-748-1352	Sequence 1352, App
15	1077.5	86.2	253	10 US-09-880-748-989	Sequence 989, App

16	1077	86.2	254	10 US-09-880-748-881	Sequence 881, App
17	1073.5	85.9	253	10 US-09-880-748-1007	Sequence 1007, App
18	1072	85.8	244	10 US-09-880-748-1910	Sequence 1910, App
19	1067	85.4	254	10 US-09-880-748-9377	Sequence 9377, App
20	1065	85.2	240	10 US-09-880-748-2047	Sequence 2047, App
21	1065	85.2	254	10 US-09-880-748-1428	Sequence 1428, App
22	1064.5	85.2	254	10 US-09-880-748-1449	Sequence 1449, App
23	1063	85.0	254	10 US-09-880-748-1075	Sequence 1075, App
24	1062	85.0	254	10 US-09-880-748-1735	Sequence 1735, App
25	1061.5	84.9	251	10 US-09-880-748-1605	Sequence 1605, App
26	1061.5	84.9	253	10 US-09-880-748-1337	Sequence 1337, App
27	1061	84.9	246	10 US-09-880-748-1314	Sequence 1314, App
28	1061	84.9	254	10 US-09-880-748-1573	Sequence 1573, App
29	1058	84.6	240	10 US-09-880-748-1698	Sequence 1698, App
30	1057	84.6	252	10 US-09-880-748-1931	Sequence 1931, App
31	1056.5	84.5	247	10 US-09-880-748-1915	Sequence 1915, App
32	1056	84.5	252	10 US-09-880-748-1690	Sequence 1690, App
33	1055	84.4	240	10 US-09-880-748-1930	Sequence 1930, App
34	1055	84.4	246	10 US-09-880-748-1324	Sequence 1324, App
35	1055	84.4	250	10 US-09-880-748-883	Sequence 883, App
36	1053	84.2	246	10 US-09-880-748-2077	Sequence 2077, App
37	1052.5	84.2	243	10 US-09-880-748-995	Sequence 995, App
38	1052	84.2	252	10 US-09-880-748-1634	Sequence 1634, App
39	1051	84.1	248	10 US-09-880-748-1782	Sequence 1782, App
40	1050.5	84.0	247	10 US-09-880-748-923	Sequence 923, App
41	1050.5	84.0	247	10 US-10-322-673-48	Sequence 48, App1
42	1050	84.0	248	10 US-09-880-748-1653	Sequence 1653, App
43	1049.5	84.0	251	10 US-09-880-748-925	Sequence 925, App
44	1045.5	83.6	255	10 US-09-880-748-1619	Sequence 1619, App
45	1045	83.6	248	10 US-09-880-748-1404	Sequence 1404, App

ALIGNMENTS

RESULT 1
US-09-880-748-983
Sequence 983, Application US/09880748
Publication No. US2003005937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunoselectively Bind BlyS
FILE REFERENCE: PFS23
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO: 983
LENGTH: 254
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-983
Query Match 88.8%; Score 1110; DB 10; Length 254;
Best Local Similarity 84.2%; Pred. No. 7.1e-73;
Matches 213; Conservative 14; Mismatches 12; Indels 14; Gaps 2;
QY 1 QVQIQESGGGLVQPGGSLRLSCAASGFTSSVMSVRQAPGKGLFVAVISYDSNKRY 60
Db 1 QVQIQESGGGLVQPGGSLRLSCAASGFTSSVMSVRQAPGKGLFVAVISYDSNKRY 60
QY 61 ADVKGRFTISRDNKNTLYIQMNSLRADETAVYVCARDP-----YFDLWGR 107
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Db 61 ADVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYVPGYFDYMK 120
Qy 108 GTLVVSGGGGGGGGGGGGGGGGSGALTOPASVSGSPQSGITISCTGTSSDIGAYNVSM 167
Db 121 GTMTVSSGGGGGGGGGGGGGGGQSVLTQPAVSBSFGQSTISCTGTSSDVGGYVSM 180
Qy 168 YQVYPGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYVCSF-ANS 226
Db 181 YQHPKAPKLMITVSGSRPSGVSNNRPSGSKSGNTASLTISGLQAEDEADYVCSYITTS 240
Qy 227 GPLFGGGRKTVL 239
Db 241 TRVFGGGRKTVL 253

RESULT 2
US-09-880-748-839
; Sequence 839, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 839
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-839

Query Match 88.5%; Score 1106; DB 10; Length 256;
Best Local Similarity 83.9%; Pred. No. 1,4e-72;
Matches 213; Conservative 12; Mismatches 13; Indels 16; Gaps 2;

Qy 2 VOLQSGGGLVOPGGSLRLSCAAGFTFTSSYSMSWVRQAPKGLEWVAIVSYDGSNKYYA 61
Db 2 VOLVSGGGGVOPGGSLRLSCAAGFTFTSSYSGMWVRQAPKGLEWVAIVSYDGSNKYYA 61
Qy 62 DSVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYVPGYFDYMK 106
Db 62 DSVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYVPGYFDYMK 106
Qy 107 RGTIVTVSSGGGGGGGGGGGGGQSVLTQPAVSBSFGQSTISCTGTSSDIGAYNVSM 166
Db 122 RGTIVTVSSGGGGGGGGGGGGGQSVLTQPAVSBSFGQSTISCTGTSSDIGAYNVSM 181
Qy 167 YQVYPGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYVCSF-AN 225
Db 182 YQHPKAPKLMITVSGSRPSGVSNNRPSGSKSGNTASLTISGLQAEDEADYVCSYITTS 241
Qy 226 GPLFGGGRKTVL 239
Db 242 STRVFGGGRKTVL 255

RESULT 3
US-09-880-748-1627
; Sequence 1627, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1627
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1627

Query Match 87.8%; Score 1097; DB 10; Length 252;
Best Local Similarity 84.5%; Pred. No. 6.1e-72;
Matches 212; Conservative 12; Mismatches 15; Indels 12; Gaps 2;

Qy 1 QVQLQESGGGLVQPGGSLRLSCAAGFTFTSSYSMSWVRQAPKGLEWVAIVSYDGSNKYY 60
Db 1 QVQLVQSGGGGVOPGGSLRLSCAAGFTFTSSYSGMWVRQAPKGLEWVAIVSYDGSNKYY 60
Qy 61 ADVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYVPGYFDYMK 109
Db 61 ADVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYVPGYFDYMK 120
Qy 110 LVTVSSGGGGGGGGGGGGGQSVLTQPAVSBSFGQSTISCTGTSSDIGAYNVSM 169
Db 121 LVTVSSGGGGGGGGGGGGGQSVLTQPAVSBSFGQSTISCTGTSSDIGAYNVSM 180
Qy 170 YQPGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYVCSF-ANS 228
Db 181 QHPKAPKLMITVSGSRPSGVSNNRPSGSKSGNTASLTISGLQAEDEADYVCSYITTS 240
Qy 229 LFGGGRKTVL 239
Db 241 VFGGGRKTVL 251

RESULT 4
US-09-880-748-981
; Sequence 981, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 981
; LENGTH: 254
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-880-748-981

Query Match      87.7%; Score 1096; DB 10; Length 254;
Best Local Similarity 84.2%; Pred. No. 7.3e-72;
Matches 213; Conservative 13; Mismatches 13; Indels 14; Gaps 3;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
DB 1 QVQLVQSGGIVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
QY 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDR-YFDL-----WGR 107
DB 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDRGGYDILTYGRGHGMVGR 120
QY 108 GTLVTVSSGGGGSGGGSGGSGSALTQPAVSQSPGQSIITISCTGSSDIDGANYVSW 167
DB 121 GTLVTVSSGGGGSGGGSGGSGSALTQPAVSQSPGQSIITISCTGSSDVGYNVSW 180
QY 168 YQYPRGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSF-ANS 226
DB 181 YQHPRGKAPKLMITEGSKRPSGVSNRPSGSKSGNTASLTISGLQAEDEADYCSSYTRRS 240
QY 227 GPLFGGRTKTVL 239
DB 241 TRVFGGRTKLTVL 253

RESULT 5
US-09-880-748-2055
; Sequence 2055, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: P5523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2055
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-2055

Query Match      87.6%; Score 1095.5; DB 10; Length 241;
Best Local Similarity 86.2%; Pred. No. 7.5e-72;
Matches 207; Conservative 16; Mismatches 16; Indels 1; Gaps 1;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
DB 1 QVQLVQSGGIVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
QY 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDR-YFDL-----WGR 107
DB 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDRGGYDILTYGRGHGMVGR 120
QY 121 GGGSGGGGGSGGSGGSGGSGSALTQPAVSQSPGQSIITISCTGSSDIDGANYVSWYQYPRGKAPKLLI 180
DB 121 GGGSGGGGGSGGSGGSGGSGSALTQPAVSQSPGQSIITISCTGSSDIDGANYVSWYQYPRGKAPKLLI 180
QY 181 YDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSF-ANS 226
DB 181 YDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSF-ANS 226
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DB 181 YDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSYTSASIVIRGGGRTKLTVL 240

RESULT 6
US-09-880-748-956
; Sequence 956, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: P5523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 956
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-956

Query Match      87.4%; Score 1093; DB 10; Length 252;
Best Local Similarity 84.1%; Pred. No. 1.2e-71;
Matches 211; Conservative 12; Mismatches 16; Indels 12; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
DB 1 QVQLVQSGGIVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
QY 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDR-YFDL-----WGR 109
DB 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDRGGYDILTYGRGHGMVGR 120
QY 110 LVTVSSGGGGSGGGSGGSGGSGSALTQPAVSQSPGQSIITISCTGSSDIDGANYVSWYQ 169
DB 121 TVTVSSGGGGSGGGSGGSGGSGSALTQPAVSQSPGQSIITISCTGSSDVGYNVSWYQ 180
QY 170 YQYPRGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSF-ANS 228
DB 181 YQHPRGKAPKLMITEGSKRPSGVSNRPSGSKSGNTASLTISGLQAEDEADYCSSYTRRS 240
QY 229 LFGGGRTKTVL 239
DB 241 VFGGGRTKLTVL 251

RESULT 7
US-09-880-748-955
; Sequence 955, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: P5523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
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/ PRIOR APPLICATION NUMBER: 60/277,379
 / PRIOR FILING DATE: 2001-03-21
 / PRIOR APPLICATION NUMBER: 60/293,499
 / PRIOR FILING DATE: 2001-05-25
 / NUMBER OF SEQ ID NOS: 3239
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO: 955
 / LENGTH: 251
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-09-880-748-955

Query Match 87.2%; Score 1089.5; DB 10; Length 251;
 Best Local Similarity 83.6%; Pred. No. 2.1e-71;
 Matches 209; Conservative 14; Mismatches 16; Indels 11; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYMSMWROAPGKLEWVAVISYDSNKYY 60
 DB 1 EVQLVESGGGVQPGSRSLRLSCAASGFTFSYGMHWVRQAPGKLEWVALIWYDSKKYY 60
 QY 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLWGRGTL 110
 DB 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLWGRGTL 110
 QY 111 VTVSSGGGGSGGGSGGSGSALTOPASVSGSPGOSITISCTGSSDYGAVNYVSWYQQ 170
 DB 121 VTVSSGGGGSGGGSGGSGSVLTOPASVSGSPGOSITISCTGSSDYGAVNYVSWYQQ 180
 QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSF-ANSGL 229
 DB 181 HPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSYTTRSTRV 240
 QY 230 FGGGTXYTVL 239
 DB 241 FGGGTXYTVL 250

RESULT 8
 US-09-880-748-1317
 / Sequence 1317, Application US/09880748
 / Publication No. US2003005937A1
 / GENERAL INFORMATION:
 / APPLICANT: Ruben et al.
 / TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 / FID REFERENCE: PFS23
 / CURRENT APPLICATION NUMBER: US/09/880,748
 / PRIOR FILING DATE: 2001-06-15
 / PRIOR APPLICATION NUMBER: 60/212,210
 / PRIOR FILING DATE: 2000-06-15
 / PRIOR APPLICATION NUMBER: 60/240,816
 / PRIOR FILING DATE: 2000-10-17/276,248
 / PRIOR APPLICATION NUMBER: 60/277,379
 / PRIOR FILING DATE: 2001-03-16
 / PRIOR APPLICATION NUMBER: 60/293,499
 / PRIOR FILING DATE: 2001-05-25
 / NUMBER OF SEQ ID NOS: 3239
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO: 1317
 / LENGTH: 251
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-09-880-748-1317

Query Match 87.2%; Score 1089.5; DB 10; Length 251;
 Best Local Similarity 83.6%; Pred. No. 2.1e-71;
 Matches 209; Conservative 14; Mismatches 16; Indels 11; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYMSMWROAPGKLEWVAVISYDSNKYY 60
 DB 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYGMHWVRQAPGKLEWVALIWYDSKKYY 60

QY 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLWGRGTL 110
 DB 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLWGRGTL 120
 QY 111 VTVSSGGGGSGGGSGGSGSALTOPASVSGSPGOSITISCTGSSDYGAVNYVSWYQQ 170
 DB 121 VTVSSGGGGSGGGSGGSGSVLTOPASVSGSPGOSITISCTGSSDYGAVNYVSWYQQ 180
 QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSF-ANSGL 229
 DB 181 HPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSYTTRSTRV 240
 QY 230 FGGGTXYTVL 239
 DB 241 FGGGTXYTVL 250

RESULT 9
 US-09-880-748-1114
 / Sequence 1114, Application US/09880748
 / Publication No. US2003005937A1
 / GENERAL INFORMATION:
 / APPLICANT: Ruben et al.
 / TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 / FID REFERENCE: PFS23
 / CURRENT APPLICATION NUMBER: US/09/880,748
 / PRIOR FILING DATE: 2001-06-15
 / PRIOR APPLICATION NUMBER: 60/212,210
 / PRIOR FILING DATE: 2000-06-15
 / PRIOR APPLICATION NUMBER: 60/240,816
 / PRIOR FILING DATE: 2000-10-17
 / PRIOR APPLICATION NUMBER: 60/276,248
 / PRIOR FILING DATE: 2001-03-16
 / PRIOR APPLICATION NUMBER: 60/277,379
 / PRIOR FILING DATE: 2001-05-25
 / PRIOR APPLICATION NUMBER: 60/293,499
 / PRIOR FILING DATE: 2001-05-25
 / NUMBER OF SEQ ID NOS: 3239
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO: 1114
 / LENGTH: 251
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-09-880-748-1114

Query Match 87.1%; Score 1088.5; DB 10; Length 251;
 Best Local Similarity 83.2%; Pred. No. 2.5e-71;
 Matches 208; Conservative 16; Mismatches 15; Indels 11; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYMSMWROAPGKLEWVAVISYDSNKYY 60
 DB 1 EVQLVESGGGVQPGSRSLRLSCAASGFTFSYGMHWVRQAPGKLEWVALIWYDSKKYY 60
 QY 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLWGRGTL 110
 DB 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLWGRGTL 120
 QY 111 VTVSSGGGGSGGGSGGSGSALTOPASVSGSPGOSITISCTGSSDYGAVNYVSWYQQ 170
 DB 121 VTVSSGGGGSGGGSGGSGSVLTOPASVSGSPGOSITISCTGSSDYGAVNYVSWYQQ 180
 QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSF-ANSGL 229
 DB 181 HPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSYTTRSTRV 240
 QY 230 FGGGTXYTVL 239
 DB 241 FGGGTXYTVL 250

RESULT 10
 US-09-880-748-1003
 / Sequence 1003, Application US/09880748

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; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1003
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1003

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Query Match      86.8%; Score 1084.5; DB 10; Length 253;
Best Local Similarity 82.9%; Pred. No. 4.9e-71;
Matches 209; Conservative 14; Mismatches 16; Indels 13; Gaps 2;

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QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
DB 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
QY 61 ADSVKGRTTISRDNKNTLYLQWNSLRADPTAVYYCARDRYFDL-----WGKG 108
DB 61 ADSVKGRTTISRDNKNTLYLQWNSLRADPTAVYYCARDOQYDILITGYTHGMDVWGRG 120
QY 109 TLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 168
DB 121 TLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 180
QY 169 QVPGKAPKLLIYDVSNRPSGISNRFSGSKSGDFTASLTISGLQADEADYVCSF-ANGS 227
DB 181 QVPGKAPKLLIYDVSNRPSGISNRFSGSKSGDFTASLTISGLQADEADYVCSYTRST 240
QY 228 PLFGGRTVTVL 239
DB 241 RVFGGRTVTVL 252

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RESULT 11
US-09-880-748-1332
; Sequence 1332, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1332

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; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1332

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Query Match      86.6%; Score 1082.5; DB 10; Length 251;
Best Local Similarity 83.2%; Pred. No. 6.8e-71;
Matches 208; Conservative 14; Mismatches 17; Indels 11; Gaps 2;

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QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGFTFSYSGMHWVROAPGKGLEWVAIIWYDGSKYY 60
QY 61 ADSVKGRTTISRDNKNTLYLQWNSLRADPTAVYYCARP-----YFDLWGRGL 110
DB 61 ADSVKGRTTISRDNKNTLYLQWNSLRADPTAVYYCARSHYDILGLNWTYFDLWGRGL 120
QY 111 VTSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 170
DB 121 VTSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 180
QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKSGDFTASLTISGLQADEADYVCSF-ANGSL 229
DB 181 HPGKAPKLLIYDVSNRPSGISNRFSGSKSGDFTASLTISGLQADEADYVCSYTRSTRV 240
QY 230 FGGGRTVTVL 239
DB 241 FGGGRTVTVL 250

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RESULT 12
US-09-880-748-1701
; Sequence 1701, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1701
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1701

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Query Match      86.3%; Score 1079; DB 10; Length 254;
Best Local Similarity 81.8%; Pred. No. 1.2e-70;
Matches 207; Conservative 18; Mismatches 14; Indels 14; Gaps 2;

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QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
DB 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
QY 61 ADSVKGRTTISRDNKNTLYLQWNSLRADPTAVYYCARDRYFDL-----DWGR 107
DB 61 ADSVKGRTTISRDNKNTLYLQWNSLRADPTAVYYCARQYDILITGYTHGMDVWGR 120
QY 108 GTLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 167
DB 121 GTLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 180

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QY 168 YQOYFGKAPKLLIYDVSNRPSGISNRFGSGSKSGDTASLTISGLQAEDEADYYCSSF-ANS 226
 DB 181 YQOHGKAPKLMITYEGSKRPSGVSNRFGSGSKSGDTASLTISGLQAEDEADYYCSSYTTSS 240
 QY 227 GPLFGGKTKVTVL 239
 DB 241 TRVFGGKTKVTVL 253

RESULT 13
 US-09-880-748-1759
 ; Sequence 1759, Application US/09880748
 ; Publication No. US20030059937A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 ; FILE REFERENCE: PF523
 ; CURRENT APPLICATION NUMBER: US/09/880,748
 ; PRIOR FILING DATE: 2001-06-15
 ; PRIOR APPLICATION NUMBER: 60/212,210
 ; PRIOR FILING DATE: 2003-06-15
 ; PRIOR APPLICATION NUMBER: 60/240,816
 ; PRIOR FILING DATE: 2000-10-17
 ; PRIOR APPLICATION NUMBER: 60/276,248
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/277,379
 ; PRIOR FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/293,499
 ; NUMBER OF SEQ ID NOS: 3239
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1759
 ; LENGTH: 254
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-880-748-1759

Query Match 86.3%; Score 1079; DB 10; Length 254;
 Best Local Similarity 82.2%; Pred. No. 1.2e-70;
 Matches 208; Conservative 16; Mismatches 15; Indels 14; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWROAPGKGLEWVAIVSYDSNKYY 60
 DB 1 QVQLVQSGGGLVQPGGSLRLSCAASGFTFSISYGMHWROAPGKGLEWVAIVSYDSNKYY 60
 QY 61 ADSVKGRTISRDNKSNLTLYIQMNSLRADTAIVYICARDRYFDL-----WGR 107
 DB 61 ADSVKGRTISRDNKSNLTLYIQMNSLRADTAIVYICAREGSDILTGYYVGVGRMDWGR 120
 QY 108 GTLVTVSSGGGGSGGGSGGSGSALTOPASVSGSGQSTTISCTGTSDDIGANNYV 167
 DB 121 GTMVTSSGGGGSGGGSGGSGSGLTQPASVSGSPQSTTISCTGTSDDVGANNV 180
 QY 168 YQOYFGKAPKLLIYDVSNRPSGISNRFGSGSKSGDTASLTISGLQAEDEADYYCSSF-ANS 226
 DB 181 YQOHGKAPKLMITYEGSKRPSGVSNRFGSGSKSGDTASLTISGLQAEDEADYYCSSYTTSS 240
 QY 227 GPLFGGKTKVTVL 239
 DB 241 TRVFGGKTKVTVL 253

RESULT 14
 US-09-880-748-1392
 ; Sequence 1392, Application US/09880748
 ; Publication No. US20030059937A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 ; FILE REFERENCE: PF523
 ; CURRENT APPLICATION NUMBER: US/09/880,748
 ; CURRENT FILING DATE: 2001-06-15

QY PRIOR APPLICATION NUMBER: 60/212,210
 DB PRIOR FILING DATE: 2000-06-15
 QY PRIOR APPLICATION NUMBER: 60/240,816
 DB PRIOR FILING DATE: 2000-10-17
 QY PRIOR APPLICATION NUMBER: 60/276,248
 DB PRIOR FILING DATE: 2001-03-16
 QY PRIOR APPLICATION NUMBER: 60/277,379
 DB PRIOR FILING DATE: 2001-03-21
 QY PRIOR APPLICATION NUMBER: 60/293,499
 DB PRIOR FILING DATE: 2001-05-25
 QY NUMBER OF SEQ ID NOS: 3239
 DB SOFTWARE: PatentIn Ver. 2.0
 QY SEQ ID NO 1392
 DB LENGTH: 256
 QY TYPE: PRT
 DB ORGANISM: Homo sapiens
 QY US-09-880-748-1392

Query Match 86.2%; Score 1078; DB 10; Length 256;
 Best Local Similarity 81.2%; Pred. No. 1.5e-70;
 Matches 207; Conservative 18; Mismatches 14; Indels 16; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWROAPGKGLEWVAIVSYDSNKYY 60
 DB 1 QVQLVQSGGGLVQPGGSLRLSCAASGFTFSYGMHWROAPGKGLEWVAIVSYDSNKYY 60
 QY 61 ADSVKGRTISRDNKSNLTLYIQMNSLRADTAIVYICARDRYFDL-----FDLW 105
 DB 61 ADSVKGRTISRDNKSNLTLYIQMNSLRADTAIVYICARDRYFDLITGYIIPGLDAPFIW 120
 QY 106 GRTLVTVSSGGGGSGGGSGGSGSALTOPASVSGSGQSTTISCTGTSDDIGANNYV 165
 DB 121 GQGLTVTVSSGGGGSGGGSGGSGSGLTQPASVSGSPQSTTISCTGTSDDVGANNYV 180
 QY 166 SWYQYFGKAPKLLIYDVSNRPSGISNRFGSGSKSGDTASLTISGLQAEDEADYYCSSF-A 224
 DB 181 SWYQHFGKAPKLMITYEGSKRPSGVSNRFGSGSKSGDTASLTISGLQAEDEADYYCSSYTT 240
 QY 225 NSGPLFGGKTKVTVL 239
 DB 241 RSTRVFGGKTKVTVL 255

RESULT 15
 US-09-880-748-989
 ; Sequence 989, Application US/09880748
 ; Publication No. US20030059937A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 ; FILE REFERENCE: PF523
 ; CURRENT APPLICATION NUMBER: US/09/880,748
 ; PRIOR FILING DATE: 2001-06-15
 ; PRIOR APPLICATION NUMBER: 60/212,210
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 60/240,816
 ; PRIOR FILING DATE: 2000-10-17
 ; PRIOR APPLICATION NUMBER: 60/276,248
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/277,379
 ; PRIOR FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/293,499
 ; NUMBER OF SEQ ID NOS: 3239
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 989
 ; LENGTH: 253
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-880-748-989

Query Match 86.2%; Score 1077.5; DB 10; Length 253;
 Best Local Similarity 83.3%; Pred. No. 1.6e-70;

Matches 210; Conservative 14; Mismatches 15; Indels 13; Gaps 3;

[illegible]

Search completed: March 15, 2004, 07:36:34
Job time : 407 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 06:23:15 ; Search time 33.8235 Seconds

(without alignments)
528.269 Million cell updates/sec

Title: US-09-620-955B-9

Perfect score: 379

Sequence: 1 LVPRGSVSTHHHHQOOOQO.....HHGNSGPPFGRGLRPHRD 69

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%

Maximum Match 100%

Database : Published Applications AA:*

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13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	192	50.7	171	US-10-077-584-4	Sequence 4, Appl
2	188.5	49.7	910	US-09-086-436-31	Sequence 31, Appl
3	182	48.0	915	US-10-282-122A-68420	Sequence 68420, A
4	180.5	47.6	758	US-09-801-368-224	Sequence 224, Appl
5	179	47.2	338	US-09-933-638A-12	Sequence 12, Appl
6	179	47.2	339	US-10-116-275-184	Sequence 184, Appl
7	179	47.2	371	US-09-849-243-16	Sequence 16, Appl
8	179	47.2	2150	US-10-115-322-17	Sequence 17, Appl
9	178	47.0	1955	US-10-283-504-3	Sequence 3, Appl
10	177.5	46.8	181	US-10-424-599-159517	Sequence 159517, A
11	176	46.4	97	US-09-864-761-35499	Sequence 35499, A
12	176	46.4	467	US-09-416-384A-7	Sequence 7, Appl
13	175	46.2	1138	US-10-074-475-194	Sequence 194, Appl
14	171.5	45.3	1420	US-10-379-616-4	Sequence 4, Appl
15	167	44.1	326	US-10-029-386-32987	Sequence 32987, A

16	167	44.1	816	US-10-207-706-3	Sequence 3, Appl
17	166	43.8	606	US-10-425-114-53918	Sequence 53918, A
18	166	43.8	1070	US-09-735-367B-6	Sequence 6, Appl
19	166	43.8	2005	US-09-735-367B-3	Sequence 3, Appl
20	166	43.8	2063	US-09-735-367B-2	Sequence 2, Appl
21	165	43.5	80	US-10-177-725-14	Sequence 14, Appl
22	165	43.5	406	US-10-369-493-3147	Sequence 3147, Appl
23	163	43.0	966	US-09-801-368-372	Sequence 372, Appl
24	158	41.7	385	US-10-424-599-154301	Sequence 154301, A
25	156.5	41.3	1372	US-10-116-275-119	Sequence 119, Appl
26	156	41.2	623	US-10-464-933-12	Sequence 12, Appl
27	156	41.2	780	US-09-770-689A-5	Sequence 5, Appl
28	154	40.6	264	US-10-029-180-30	Sequence 30, Appl
29	154	40.6	944	US-10-029-180-26	Sequence 26, Appl
30	153	40.4	4952	US-10-051-874-55	Sequence 55, Appl
31	153	40.4	5008	US-10-051-874-156	Sequence 156, Appl
32	153	40.4	5159	US-10-085-198-112	Sequence 112, Appl
33	153	40.4	5262	US-10-051-874-155	Sequence 155, Appl
34	153	40.4	5262	US-10-051-874-167	Sequence 167, Appl
35	152.5	40.2	702	US-10-161-051-18	Sequence 18, Appl
36	150.5	39.7	170	US-09-864-761-42294	Sequence 42294, A
37	150.5	39.7	1221	US-10-270-333-60	Sequence 60, Appl
38	150	39.6	429	US-09-987-107-34	Sequence 34, Appl
39	148.5	39.4	314	US-10-317-832-13	Sequence 13, Appl
40	149.5	39.4	905	US-10-369-493-5635	Sequence 5635, Appl
41	149.5	39.4	905	US-10-369-493-5636	Sequence 5636, Appl
42	149	39.3	72	US-09-820-843A-14	Sequence 14, Appl
43	149	39.3	72	US-10-282-122A-58996	Sequence 58996, A
44	148.5	39.2	398	US-10-412-699B-358	Sequence 358, Appl
45	148.5	39.2	398	US-10-374-780A-2358	Sequence 2358, Appl

ALIGNMENTS

RESULT 1
US-10-077-584-4
Sequence 4, Application US/10077584
Publication No. US2003073610A1
GENERAL INFORMATION:
APPLICANT: LINDQUIST, SUSAN
APPLICANT: KROBITSCH, SYLVIA
APPLICANT: OUTEIRO, TIAGO F.
TITLE OF INVENTION: YEAST SCREENS FOR THE TREATMENT OF HUMAN DISEASE
FILE REFERENCE: RACD367US
CURRENT APPLICATION NUMBER: US/10/077,584
CURRENT FILING DATE: 2002-02-15
PRIOR APPLICATION NUMBER: 60/269,157
PRIOR FILING DATE: 2001-02-15
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 171
TYPE: PRT
ORGANISM: Homo sapiens
US-10-077-584-4

Query Match 50.7%; Score 192; DB 14; Length 171;
Best Local Similarity 76.9%; Pred. No. 8.9e-11;
Matches 40; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

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DB 85 QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQPPPPPPPPPPPPPPPP 136

RESULT 2
US-09-086-436-31
Sequence 31, Application US/09086436
Publication No. US20030118988A1
GENERAL INFORMATION:
APPLICANT: Kandell, Eric R.
APPLICANT: Santoro, Bina


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TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/119,107
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/255,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
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NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 68420
LENGTH: 915
TYPE: PRT

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1 GENERAL INFORMATION: 2
3 APPLICANT: Kazantsev, Aleksey G. 4
5 APPLICANT: Thompson, Leslie M. 6
7 APPLICANT: Housman, David E. 8
9 TITLE OF INVENTION: INHIBITION OF PROTEIN-PROTEIN INTERACTION 10
11 FILE REFERENCE: 01957-289501 12
13 CURRENT APPLICATION NUMBER: US/09/933,638A 14
15 CURRENT FILING DATE: 2001-08-20 16
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RESULT 8
US-10-135-322-17
; Sequence 17, Application US/10135322
; Publication No. US20020173017A1
GENERAL INFORMATION:
APPLICANT: BENFEY, PN
APPLICANT: HEILARUTTA, Y
APPLICANT: MAHOREN, AP
APPLICANT: BONKE, AMW
APPLICANT: KAUPPINEN, L
APPLICANT: RIIKONEN, M
TITLE OF INVENTION: WOODEN LEG GENE, PROMOTER AND USES THEREOF
FILE REFERENCE: 5914-086-999
CURRENT APPLICATION NUMBER: US/10/135,322
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: 60/253,739
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn version 3.0
SEQ ID NO 17
LENGTH: 2150
TYPE: PRT
ORGANISM: Arabidopsis thaliana
US-10-135-322-17

Query Match          47.2%; Score 179; DB 9; Length 371;
Best Local Similarity 81.8%; Pred. No. 2,5e-09;
Matches 36; Conservative 1; Mismatches 7; Indels 0; Gaps 0.

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Db      33 QQQQLQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQH 68

RESULT 9
US-10-293-504-3
; Sequence 3, Application US/10293504
; Publication No. US20030110520A1
GENERAL INFORMATION:
APPLICANT: Universita'degli studi di Roma la Sapienza
APPLICANT: Macino, Giuseppe
APPLICANT: Cognoni, Carlo
TITLE OF INVENTION: Isolation and characterization of a N. crassa silencing
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[illegible]

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 06:23:15 ; Search time 28.9216 Seconds
(without alignments)
528.269 Million cell updates/sec

Title: US-09-620-955b-10

Perfect score: 287
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Total number of hits satisfying chosen parameters: 1049977

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	208	72.5	171	14 US-10-077-584-4	Sequence 4, Appli
3	196	68.3	91	15 US-10-354-246-1	Sequence 1, Appli
4	181	63.1	87	14 US-10-215-432-27	Sequence 27, Appli
5	145	50.5	338	9 US-09-904-987-7	Sequence 7, Appli
6	145	50.5	338	9 US-09-933-638A-12	Sequence 12, Appli
7	145	50.5	339	15 US-10-116-275-184	Sequence 184, Appli
8	145	50.5	371	9 US-09-849-243-16	Sequence 16, Appli
9	144	50.2	780	9 US-09-770-689A-5	Sequence 5, Appli
10	143	49.8	1402	14 US-10-379-616-12	Sequence 12, Appli
11	142.5	49.7	546	15 US-10-437-171-4	Sequence 4, Appli
12	142.5	49.7	546	15 US-10-437-171-2	Sequence 2, Appli
13	141	49.1	966	9 US-09-801-368-372	Sequence 372, App
14	140	48.8	1572	15 US-10-116-275-179	Sequence 179, App
15	139	48.4	1138	14 US-10-074-475-194	Sequence 194, App

16	138	48.1	97	9 US-09-864-761-35499	Sequence 35499, A
17	138	48.1	1070	9 US-09-735-367B-6	Sequence 6, Appli
18	138	48.1	2005	9 US-09-735-367B-3	Sequence 3, Appli
19	138	48.1	2063	9 US-09-735-367B-2	Sequence 2, Appli
20	137	47.7	406	15 US-10-369-493-3147	Sequence 3147, Ap
21	135.5	47.2	314	14 US-10-317-832-13	Sequence 13, Appli
22	135	47.0	80	14 US-10-177-725-14	Sequence 14, Appli
23	133	46.3	910	15 US-09-086-436-31	Sequence 31, Appli
24	133	46.3	796	13 US-10-044-205A-31	Sequence 31, Appli
25	132	46.0	915	12 US-10-282-122A-68430	Sequence 68430, A
26	130	45.3	385	12 US-10-422-599-154301	Sequence 154301, A
27	130	45.3	623	15 US-10-464-933-12	Sequence 12, Appli
28	130	45.3	1420	14 US-10-379-616-4	Sequence 4, Appli
29	130	45.3	4952	15 US-10-051-874-56	Sequence 56, Appli
30	130	45.3	5008	15 US-10-051-874-166	Sequence 166, App
31	130	45.3	5159	15 US-10-085-198-112	Sequence 112, App
32	130	45.3	5262	15 US-10-051-874-165	Sequence 165, App
33	130	45.3	5262	15 US-10-051-874-167	Sequence 167, App
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35	129	44.9	2150	13 US-10-135-322-17	Sequence 17, Appli
36	128.5	44.8	376	15 US-10-108-260A-3233	Sequence 3233, Ap
37	128	44.6	606	12 US-10-425-114-53918	Sequence 53918, A
38	128	44.6	758	9 US-09-801-368-224	Sequence 224, App
39	126.5	44.1	919	12 US-10-058-270A-94	Sequence 94, Appli
40	126.5	44.1	919	14 US-10-425-114-38625	Sequence 38625, A
41	125	43.6	463	12 US-10-425-114-38625	Sequence 38625, A
42	125	43.6	467	9 US-09-416-384A-7	Sequence 7, Appli
43	125	43.6	513	12 US-10-424-599-234578	Sequence 234578, A
44	124	43.2	313	12 US-10-424-599-283627	Sequence 283627, A
45	123	42.9	181	12 US-10-424-599-159517	Sequence 159517, A

ALIGNMENTS

RESULT 1
US-10-077-584-6
Sequence 6, Application US/10077584
Publication No. US20030073610A1
GENERAL INFORMATION:
APPLICANT: LINDQUIST, SUSAN
APPLICANT: KROBITSCH, SYLVIA
TITLE OF INVENTION: YEAST SCREENS FOR THE TREATMENT OF HUMAN DISEASE
FILE REFERENCE: ARCD:367US
CURRENT FILING DATE: 2002-02-15
PRIORITY FILING DATE: 2001-02-15
CURRENT APPLICATION NUMBER: US/10/077,584
PRIOR APPLICATION NUMBER: 60/269,157
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 63
TYPE: PRT
ORGANISM: Homo sapiens
US-10-077-584-6
Query Match 72.5% Score 208; DB 14; Length 63;
Best Local Similarity 95.6% Pred. No. 5,7e-16;
Matches 43; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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DB 1 MATEKLMKAFESLKSFOQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQCPFP 45
RESULT 2
US-10-077-584-4
Sequence 4, Application US/10077584
Publication No. US20030073610A1
GENERAL INFORMATION:
APPLICANT: LINDQUIST, SUSAN
APPLICANT: KROBITSCH, SYLVIA

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1  APPLICANT: OTERERO, TIAGO F.
2  TITLE OF INVENTION: YEAST SCREENS FOR THE TREATMENT OF HUMAN DISEASE
3  FILE REFERENCE: ARCD:367US
4  CURRENT APPLICATION NUMBER: US/10/077,584
5  CURRENT FILING DATE: 2002-02-15
6  PRIOR APPLICATION NUMBER: 60/269,157
7  PRIOR FILING DATE: 2001-02-15
8  NUMBER OF SEQ ID NOS: 9
9  SOFTWARE: Patentin Ver. 2.1
10 SEQ ID NO 4
11 LENGTH: 171
12 TYPE: PRT
13 ORGANISM: Homo sapiens
14 OS-10-077-584-4

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Query Match      92.5%; Score 208; DB 14; Length 17;
Best Local Similarity 97.7%; Pred. No. 1.7e-15;
Matches 43; Conservative 0; Mismatches 1; Indels 0; Gaps 0

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RESULT 3
US-10-354-246-1
; Sequence 1, Application US/10354246
; Publication No. US20030232052A1
; GENERAL INFORMATION:
; APPLICANT: Khoshnan, Ali
; APPLICANT: Paterson, Paul H.
; TITLE OF INVENTION: ANTIBODIES THAT BIND TO AN EPIPEPE OF
; TITLE OF INVENTION: THE HUNTINGTON'S DISEASE PROTEIN
; FILE REFERENCE: CALTE 012A
; CURRENT APPLICATION NUMBER: US/10/354,246
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: 60/353,032
; PRIOR FILING DATE: 2001-01-28
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-354-246-1

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Query Match      68.3%  Score 196;  DB 15;  length 91;
Best Local Similarity 91.1%  Pred. No. 1,8e-14;
Matches 41;  Conservative 0;  Mismatches 4;  Indels 0;  Gaps 0
0x 7 MATLEKLMKAFESLKSFGQQQQQQQQQQQQQQQQQQQQQQQQQQLOLP 51
Db 1 MATLEKLMKAFESLKSFGQQQQQQQQQQQQQQQQQQQQQQQQQQQPPPP 45

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1 RESULT 4
2 US-10-215-432-27
3 : Sequence 27, Application US/10215432
4 : Publication No. US20030109476A1
5 : GENERAL INFORMATION:
6 :
7 : APPLICANT: Eric B. Kmiec
8 :
9 : APPLICANT: Heral Parekh-Olmado
10 :
11 : TITLE OF INVENTION: Composition and methods for the
12 :
13 : TITLE OF INVENTION: prevention and treatment of Huntington's disease
14 :
15 : FILE REFERENCE: Napco-10
16 :
17 : CURRENT APPLICATION NUMBER: US/10/215,432
18 :
19 : CURRENT FILING DATE: 2002-11-19
20 :
21 : NUMBER OF SEQ. ID NOS: 44
22 :
23 : SOFTWARE: FastSeq for Windows Version 4.0
24 :
25 : SEQ. ID NO 27
26 :
27 : LENGTH: 87
28 :
29 : TYPE: PRT
30 :
31 : ORGANISM: Homo Sapiens

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US-10-215-432-27

Query Match	63.1%	Score 181;	DB 14;	Length 87;
Best Local Similarity	69.5%	Pred. No. 7.9e-13;		
Matches 41; Conservative	0;	Mismatches 4;	Indels 14;	Gaps 1;

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QY      7 MATLEKMKAFESLKSFOQQQQQQQQQQQQQQQQQQ-----QQQQQLQP   51
Db     1 MATLEKMKAFESLSFQQQQQQQQQQQQQQPPPPPPLPFPQAQP    59
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RESULT 5
US-09-904-987-7

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1  APPLICANT: No. US20020037908A1acetyl, Inc.
2  TITLE OF INVENTION: Methods and Compositions for Controlling Pathological and Prepara
3  TITLE OF INVENTION: Protein Assembly or Aggregation
4  FILE REFERENCE: 42108/25146
5  CURRENT APPLICATION NUMBER: US/09/904,987
6  CURRENT FILING DATE: 2001-07-12
7  NUMBER OF SEQ ID NOS: 7
8  SOFTWARE: PatentIn version 3.0
9  SEQ ID NO 7
10 LENGTH: 1543
11 TYPE: PRT
12 ORGANISM: homo sapiens
13 PUBLIC INFORMATION:
14 DATABASE ACCESSION NUMBER: NCBI ENTREZ / XP_003405
15 DATABASE ENTRY DATE: 2001-04-16
16 RELEVANT RESIDUES: (1)..(1543)
17 US-09-904-987-.7

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Query Match	63.1%	Score 181;	DB 9;	Length 1543;
Best Local Similarity	69.5%;	Pred. No. 1.7e-11;		
Matches	41;	Conservative	0;	Mismatches 4;
				Inbels 14;
				Gaps 1

Dy

7 MATLEKLMKAFFESLSKSFGQQQQQQQQQQQQQQQQQQQ-----QQQQQLQP 51

DB

1 MATLEKLMKAFFESLSKSFGQQQQQQQQQQQQQQQQQQPPPPPPPPQLJQPPQAQP 59

RESULT 6
US-09-933-638A-12
; Sequence 12, Application US/099333638A

```

/ GENERAL INFORMATION:
/ APPLICANT: Kazantsev, Aleksey G.
/ APPLICANT: Thompson, Leslie M.
/ APPLICANT: Housman, David E.
/ TITLE OF INVENTION: INHIBITION OF PROTEIN-PROTEIN INTERACTION
/ FILE REFERENCE: 01997-289001
/ CURRENT APPLICATION NUMBER: US/09/933,638A
/ CURRENT FILING DATE: 2001-08-20
/ PRIOR APPLICATION NUMBER: US 60/226,502
/ PRIOR FILING DATE: 2000-08-18
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 12
/ LENGTH: 338
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-933-638A-12

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[illegible]

RESULT 4
US-09-849-243-16
; Sequence 16, Application US/09849243
; Patent No. US20020157127A1

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; NUMBER OF SEQ ID NOS: 67
;
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 910
;

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Page 3

;
; PRIOR APPLICATION NUMBER: 60/261,376
;
; PRIOR FILING DATE: 2001-01-16
;
; NUMBER OF SEQ ID NOS: 269

RESULT 11
US-10-051-874-165
; Sequence 165, Application US/10051874
; Publication No. US20040005557A1
CURRENT INFORMATION

APPLICANT: Padigarthi, Murali chandra
 APPLICANT: Alababrook II, John P
 APPLICANT: Coleman, Steven D
 APPLICANT: Spytek, Kimberly A
 APPLICANT: Boldog, Ferenc
 APPLICANT: Vermet, Corine AM
 APPLICANT: Li, Li
 APPLICANT: Shenoy, Suresh G
 APPLICANT: Caeman, Stacie J
 APPLICANT: Guo, Xiaojia Sasha
 APPLICANT: Edinger, Shlomit R
 APPLICANT: MacDougall, John R
 APPLICANT: Malyankar, Uriel M
 APPLICANT: Patturajan, Meera
 APPLICANT: Shinkets, Richard A
 APPLICANT: Pena, Carol EA
 APPLICANT: Tcherenev, Velizar T
 APPLICANT: Zerhusen, Bryan D
 APPLICANT: Millet, Isabelle
 APPLICANT: Miller, Charles E
 APPLICANT: Lepley, Denise M
 APPLICANT: Smithson, Glenda
 APPLICANT: Baumgartner, Jason C
 APPLICANT: Herrman, John L
 APPLICANT: Payman, John A
 APPLICANT: Gorman, Linda
 APPLICANT: Meres, Peter D
 APPLICANT: Kekuda, Ramesh
 APPLICANT: Taupier Jr, Raymond J
 APPLICANT: Gerlach, Valerie
 APPLICANT: Grose, William M
 APPLICANT: Liu, Xiaohong
 APPLICANT: Ellerman, Karen
 APPLICANT: Rothenberg, Mark
 APPLICANT: Stone, David J
 APPLICANT: Bugees, Catherine E
 TITLE OF INVENTION: PROTEIN, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
 TITLE OF INVENTION: USING THE SAME
 FILE REFERENCE: 21402-245
 CURRENT APPLICATION NUMBER: US/10/051,874
 PRIOR FILING DATE: 2002-09-25
 PRIOR APPLICATION NUMBER: 60/268,595
 PRIOR FILING DATE: 2001-02-14
 PRIOR APPLICATION NUMBER: 60/325,306
 PRIOR FILING DATE: 2001-09-27
 PRIOR APPLICATION NUMBER: 60/262,587
 PRIOR FILING DATE: 2001-01-18
 PRIOR APPLICATION NUMBER: 60/272,409
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: 60/262,454
 PRIOR FILING DATE: 2001-01-18
 PRIOR APPLICATION NUMBER: 60/276,777
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/291,672
 PRIOR FILING DATE: 2001-05-17

Query Match	53.1%;	Score 197.5;	DB 15;	Length 5262;
Best Local Similarity	66.2%;	Pred. No. 3.9e-11;		
Matches	43;	Conservative	6;	Mismatches 15;
				Indels 1;

[illegible]

RESULT 12
 US-10-051-874-167
 Sequence 167, Application US/10051874
 Publication No. US20040005557A1
 GENERAL INFORMATION:
 APPLICANT: Padigaru, Muralidhara
 APPLICANT: Alsobrook II, John P
 APPLICANT: Colman, Steven D
 APPLICANT: Spytek, Kimberly A
 APPLICANT: Boldog, Ferenc
 APPLICANT: Vermet, Corine AM
 APPLICANT: Li, Li
 APPLICANT: Shenoy, Suresh G
 APPLICANT: Casman, Stacie J
 APPLICANT: Guo, Xiaojia Sasha
 APPLICANT: Edinger, Shlomit R
 APPLICANT: MacDougall, John R
 APPLICANT: Malvankar, Uriel M
 APPLICANT: Patturajan, Meera
 APPLICANT: Shinkets, Richard A
 APPLICANT: Pena, Carol EA
 APPLICANT: Tchernev, Velizar T
 APPLICANT: Zethusen, Bryan D
 APPLICANT: Miller, Isabelle
 APPLICANT: Miller, Charles E
 APPLICANT: Lepley, Denise M
 APPLICANT: Smithson, Glenda
 APPLICANT: Baumgartner, Jason C
 APPLICANT: Herrman, John L
 APPLICANT: Peyman, John A
 APPLICANT: Gorman, Linda
 APPLICANT: Mezes, Peter D
 APPLICANT: Kekuda, Ramesh
 APPLICANT: Taupier Jr, Raymond J
 APPLICANT: Gerlach, Valerie
 APPLICANT: Grose, William M
 APPLICANT: Liu, Xiaohong
 APPLICANT: Ellerman, Karen
 APPLICANT: Rothenberg, Mark
 APPLICANT: Stone, David J
 APPLICANT: Burgess, Catherine E
 TITLE OF INVENTION: PROTEIN, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
 TITLE REFERENCE: 21402-245
 CURRENT APPLICATION NUMBER: US/10/051,874
 CURRENT FILING DATE: 2002-09-25

```

RESULT 13
US-09-864-761-35499
: Sequence 35499, Application US/09864761
: Patent No US20020648763A1
: GENERAL INFORMATION:
: APPLICANT: Penn, Sharon G.
: APPLICANT: Rank, David R.
: APPLICANT: Hanzel, David K.
: APPLICANT: Chen, Wenheng
: TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
: TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
: FILE REFERENCE: Aeomica-X-1
: CURRENT APPLICATION NUMBER: US/09/864,761
: CURRENT FILING DATE: 2001-05-23
: PRIOR APPLICATION NUMBER: US 60/180,312
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: US 60/207,456
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: US 09/632,366
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: GB 24263.6
: PRIOR FILING DATE: 2000-10-04
: PRIOR APPLICATION NUMBER: US 60/236,359
: PRIOR FILING DATE: 2000-09-27
: PRIOR APPLICATION NUMBER: PCT/US01/00666
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00667
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00664
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00669
: PRIOR FILING DATE: 2001-01-30

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[illegible]

